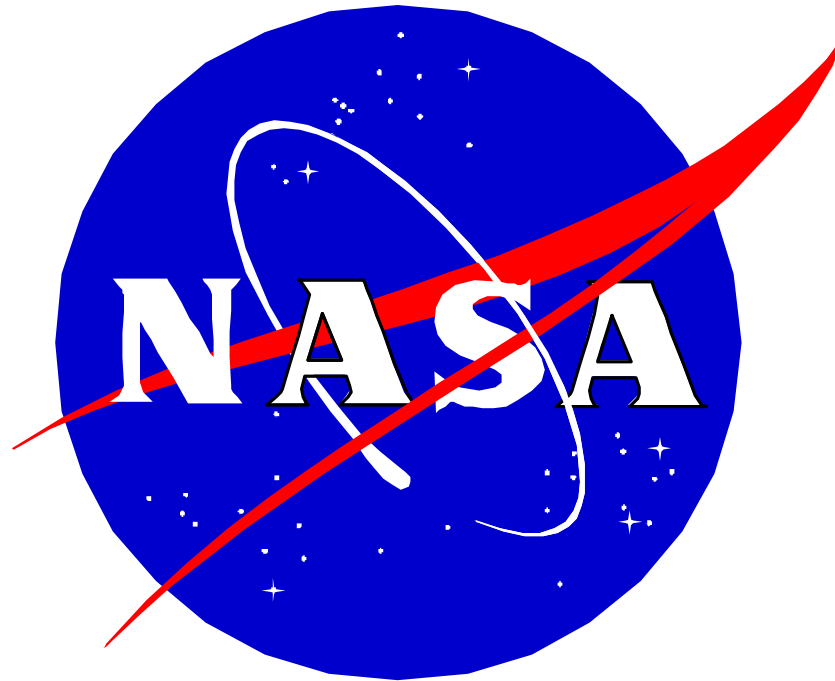
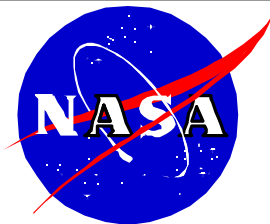


STS-113/11A FLIGHT READINESS REVIEW



FLIGHT CREW OPERATIONS DIRECTORATE

October 31, 2002



STS-113/11A Flight Readiness Review

Name:

Steven A Hawley, Ph.D.

Date: October 31, 2002

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SHUTTLE CREW

COMMANDER: James D. Wetherbee

- 6th flight (5th flight as CDR)
- Shuttle RMS and rendezvous qualified

PILOT: Paul S. Lockhart

- 2nd flight as PLT
- Intravehicular crew person (IV) and rendezvous qualified

MS2: John B. Herrington

- 1st flight - -Rookie EVA
- EVA and rendezvous qualified

MS1: Michael E. Lopez-Alegria

- 3rd flight as MS
- Previous EVA experience
- EVA, rendezvous, Shuttle RMS qualified

EXPEDITION 6 CREW

COMMANDER: Kenneth D. Bowersox

- 4 Shuttle flights (2nd as CDR)
- Expedition 1 backup crew
- Shuttle RMS, SSRMS, EVA, and rendezvous qualified
- EMU and Orlan certified

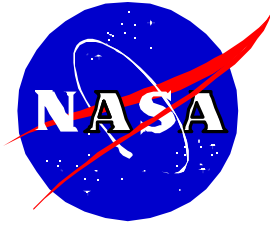
–FLIGHT ENG 1: Nikolai M. Budarin

- 2 Mir flights (crew rotation on STS-71)
- EVA qualified
- EMU and Orlan certified

➤ FLIGHT ENG 2: Donald R. Pettit*

- 1st flight
- SSRMS and EVA qualified
- EMU and Orlan certified
- Doctorate in Chemical Engineering, previous experience as a Staff Scientist at Los Alamos National Laboratory

*Recommend as Science Officer



STS-113/11A Flight Readiness Review

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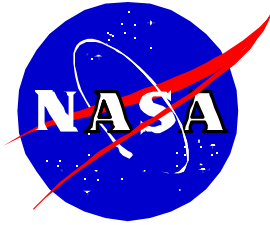
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→ FLIGHT CREW OPERATIONS LEVEL III FLIGHT READINESS REVIEW ON OCTOBER 4, 2002.

- ON OCTOBER 4, NO SIGNIFICANT ISSUES WERE IDENTIFIED BY EITHER THE STS OR ISS CREWS
- SINCE THE FCOD FRR, 9A MISSION ISSUES HAVE BEEN IDENTIFIED
 - SSRMS NEAR MISS, DOCKING RATE
 - RESOLUTIONS TO THE ISSUES ARE BEING FOLLOWED BY FCOD
 - APPLICABLE 9A LESSONS LEARNED WILL BE INCORPORATED INTO STS-113/11A
- IN ADDITION TO 9A ISSUES, FCOD IS FOLLOWING THE RESULTS FROM THE SOYUZ ACCIDENT INVESTIGATION AND SUBSEQUENT IMPACT TO THE PROGRAMS



STS-113/11A Flight Readiness Review

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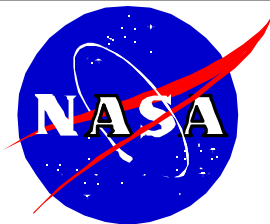
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- ➔ STS-113 AND THE EXPEDITION 6 FLIGHT CREW AND MISSION CONTROL SUPPORT PERSONNEL ARE TRAINED AND CERTIFIED FOR FLIGHT.
- ➔ ALL REQUIRED SUPPORT AIRCRAFT ARE CURRENT IN INSPECTION AND MAINTENANCE AND ALL PILOTS HAVE COMPLETED CERTIFICATION AND ARE CURRENT.
- ➔ PENDING COMPLETION OF PLANNED WORK, RESOLUTION OF 9A MISSION ISSUES, AND SOYUZ ACCIDENT INVESTIGATION, FLIGHT CREW OPERATIONS IS READY TO SUPPORT THE STS-113/11A MISSION AND THE SUBSEQUENT SHUTTLE FERRY OPERATIONS.

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STS-113/11A Flight Readiness Review

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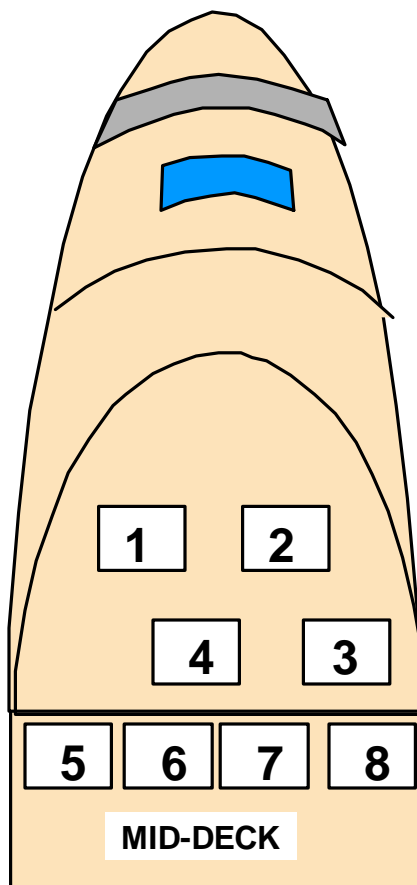
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CREW CERTIFICATION

CDR: Wetherbee, James
PILOT: Lockhart, Paul
MS1: Lopez-Alagria, Michael
MS2: Herrington, John
MS3UP: Bowersox, Ken
MS4UP: Budarin, Nikolai
MS5UP: Pettit, Donald
MS3DN: Treschev, Sergei
MS4DN: Korzun, Valeri
MS5DN: Whitson, Peggy



ASCENT

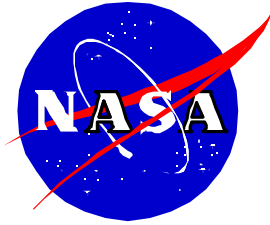
1 Wetherbee
2 Lockhart
3 Lopez-Alegria
4 Herrington
5 Bowersox
6 Pettit
7 Budarin

DESCENT

1 Wetherbee
2 Lockhart
3
4 Herrington
5 Lopez-Alegria
6 Whitson
7 Korzun
8 Treschev

- FINAL STA TRAINING AT EDWARDS ON [April 27, 2002](#): AT KSC ON L-2

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STS-113/11A Flight Readiness Review

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→ STA NASA 945 WILL SUPPORT PRELAUNCH CREW TRAINING AT KSC AND LAUNCH/LANDING WEATHER SUPPORT.

→ **CURRENTLY WE ANTICIPATE A BACKUP STA WILL BE AVAILABLE**

→ IF NECESSARY, SCA NASA 905 WILL SUPPORT FERRY OPERATIONS.

→ IF NECESSARY, A KC-135 (NASA 931) WILL BE USED AS FERRY PATHFINDER.

→ NASA 931 IS AVAILABLE, IF REQUIRED, FOR CREW RETURN FROM TAL SITE OR TRANSPORTATION OF EMCC PERSONNEL/EQUIPMENT

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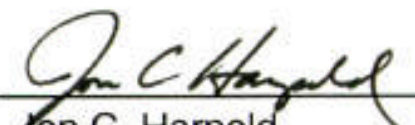
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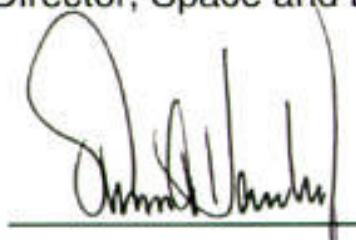
CREW CERTIFICATION FLIGHT READINESS STATEMENT

ALL FLIGHT CREW MEMBERS HAVE SUCCESSFULLY COMPLETED
REQUIRED TRAINING AND MEDICAL EXAMINATIONS.


Jon C. Harpold
Acting Director, Mission
Operations (Training)


Jeffrey R. Davis, MD
Director, Space and Life Sciences


Charles R. Knarr
Associate Program Manager,
Flight Operations
United Space Alliance
(Training)


Steven A. Hawley, Ph.D.
Director, Flight Crew Operations

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AIRCRAFT AND AIRCREW FLIGHT READINESS STATEMENT

AIRCRAFT REQUIRED TO SUPPORT LAUNCH AND LANDING OPERATIONS ARE CURRENT IN INSPECTION AND MAINTENANCE AND ALL FLIGHT CREW AND MAINTENANCE PERSONNEL HAVE COMPLETED CERTIFICATION AND ARE CURRENT.

A handwritten signature in black ink, appearing to read "Robert J. Naughton", written over a horizontal line.

Robert J. Naughton
Chief, Aircraft Operations Division

A handwritten signature in black ink, appearing to read "Steven A. Hawley", written over a horizontal line.

Steven A. Hawley, Ph.D.
Director, Flight Crew Operations